

```
PLEASE ENTER HOST PORT ID:
INVALID PORT POOL ID ENTERED
PLEASE REENTER HOST PORT ID:x
LOGINID:d232mbg
PASSWORD:
TERMINAL (ENTER 1, 2, 3, 4, OR ?):3
```

```
* * * * *
```

Welcome to MESSENGER (APS Text) at USPTO

```
* * * * *
```

The USPTO production files are current through:
15 JUL 1997 for U.S. Patent Text Data.
15 JUL 1997 for U.S. Current Classification data.
15 JUL 1997 for U.S. Patent Image Data.

```
* * * * *
```

* PLEASE USE 305-9000 FOR NEW TELEPHONE NUMBER *

```
* * * * *
```

U.S. patents from 1970 will be available in a new USOCR file
some time this summer. Currently, when you display some
records in USPAT, you may get a message that "TEXT DATA FOR
PATENT n,nnn,nnn IS AVAILABLE IN USOCR." If you attempt to
enter the file, however, you get a message that access to
this file is not authorized. Until USOCR is available, you
will still find pre-1971 patents in the image system, in
the shoes, or on microfilm. Thank you.

```
* * * * *
```

DISCLAIMER:

Neither the United States Government, nor any agency
thereof, nor any of their contractors, subcontractors or
employees make any warranty, expressed or implied,
including any warranty of marketability of fitness for a
particular purpose; nor assumes any legal liability or
responsibility for any party's use, or the results of
such, of the data.

```
* * * * *
```

Help Desk --> 703-305-9000

The Help Desk is staffed for APS support 7 days/week.
Monday through Friday: 6:30am - 9:00pm
Saturday, Sunday, Holidays: 8:30am - 5:00 pm

The Help Desk staff at this number will handle all APS
related questions.

```
* * * * *
```

>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>><<<<<<<<<<<<

The APS is available:
6:30am - 9:00pm Monday through Friday
7:30am - 5:00pm Saturday, Sunday, Holidays

* APS is unavailable Thanksgiving Day, Christmas Day, *
* and New Year Day. *
*

FILE 'USPAT' ENTERED AT 10:44:34 ON 23 JUL 1997

* WELCOME TO THE *
* U. S. PATENT TEXT FILE *

=> s (execut? or activat?) (program or process or shell
MISSING OPERATOR 'ACTIVAT?') (PROGRAM'

=> s (execut? or activat?) (program or process or shell or script)
MISSING OPERATOR 'ACTIVAT?') (PROGRAM'
YOU HAVE RECEIVED THIS ERROR MESSAGE 2 CONSECUTIVE TIMES
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.
IF YOU REQUIRE FURTHER HELP, PLEASE CONTACT YOUR LOCAL HELP DESK
=> s (execut? or activat?) (10a) (program or process or shell or script)

117069 EXECUT?
344886 ACTIVAT?
136411 PROGRAM
921102 PROCESS
108949 SHELL
1978 SCRIPT
L1 57165 (EXECUT? OR ACTIVAT?) (10A) (PROGRAM OR PROCESS OR SHELL OR S
CRI
PT)

=> s l1(20a) (email or e mail)
87 EMAIL
1264728 E
7829 MAIL
342 E MAIL
(E(W)MAIL)
L2 4 L1(20A) (EMAIL OR E MAIL)

=> d 1-4

1. 5,647,002, Jul. 8, 1997, Synchronization of mailboxes of different
types; Gordon Richards Brunson, 380/49; 379/67, 88, 93.24, 201; 380/48,
50 :IMAGE AVAILABLE:

2. 5,619,684, Apr. 8, 1997, Method and apparatus for consistent user
interface in a multiple application personal communications device; Julie
F. Goodwin, et al., 395/500 :IMAGE AVAILABLE:

3. 5,530,740, Jun. 25, 1996, System and method for integrating voice,
facsimile and electronic mail data through a personal computer; Roberto
Irribarren, et al., 379/89, 67, 94, 100, 212 :IMAGE AVAILABLE:

4. 5,461,488, Oct. 24, 1995, Computerized facsimile (FAX) system and
method of operation; Keith E. Witek, 358/402, 407, 440, 442, 444;
395/182.13, 492, 500, 605, 753 :IMAGE AVAILABLE:

=> s l1(20a) (email or mail or e mail or electronic mail)
87 EMAIL
7829 MAIL
1264728 E
7829 MAIL
342 E MAIL
(E(W)MAIL)
243295 ELECTRONIC

7829 MAIL
1020 ELECTRONIC MAIL
(ELECTRONIC(W)MAIL)

L3 93 L1(20A) (EMAIL OR MAIL OR E MAIL OR ELECTRONIC MAIL)

=> s 13(50a) (status or report)

65953 STATUS

37911 REPORT

L4 3 L3(50A) (STATUS OR REPORT)

=> d 1-3

1. 5,613,135, Mar. 18, 1997, Portable computer having dedicated register group and peripheral controller bus between system bus and peripheral controller; Makoto Sakai, et al., 395/800; 364/234, 234.4, 928, 928.6, DIG.1, DIG.2; 395/887 :IMAGE AVAILABLE:

2. 5,557,736, Sep. 17, 1996, Computer system and job transfer method using electronic mail system; Toshio Hirose, et al., 395/182.02, 183.17, 185.09, 185.1 :IMAGE AVAILABLE:

3. 5,001,648, Mar. 19, 1991, Method and apparatus for a mail processing system; Christopher A. Baker, 364/464.17; 177/4, 25.15; 364/464.18 :IMAGE AVAILABLE:

=> d 1-2 fd,rel,as

US PAT NO: 5,613,135 :IMAGE AVAILABLE: L4: 1 of 3
DATE FILED: Aug. 16, 1993
ASSIGNEE: Kabushiki Kaisha Toshiba, Kanagawa-ken, Japan (foreign corp.)

US PAT NO: 5,557,736 :IMAGE AVAILABLE: L4: 2 of 3
DATE FILED: Jan. 21, 1994
REL-US-DATA: Continuation-in-part of Ser. No. 31,729, Mar. 15, 1993, and Ser. No. 149,553, Nov. 9, 1993.
ASSIGNEE: Hitachi Electronics Services Co., Ltd., Tokyo, Japan (foreign corp.)
Hitachi, Ltd., Kanagawa, Japan (foreign corp.)
Hitachi Software Engineering Co., Ltd., Tokyo, Japan (foreign corp.)

=> d 1-3 ab,kwic

US PAT NO: 5,613,135 :IMAGE AVAILABLE: L4: 1 of 3

ABSTRACT:

Dedicated registers are arranged in a status LCD control gate array connected to a system bus, and the dedicated registers or register group and a keyboard controller are connected through a keyboard interface bus. The keyboard controller has two ports for communicating with a CPU. The keyboard controller transfers existing commands released to an application program or the like and transmits normal key data through the system bus. The keyboard controller transmits hot key data and transfers a command for realizing any other special function through the keyboard interface bus and the dedicated registers.

DETDESC:

DETD(376)

The ninth embodiment of the present invention will be described below. In this embodiment, whether an **electronic mail** has been received can be automatically displayed without adversely affecting **execution** of an application **program** or the like. More specifically, when an

electronic mail to this portable computer is received by a **mail server** on a LAN. A **mail reception status** signal is sent from this server to the communication board of the computer. In this state, a CPU interrupt is sent to the I/O controller to start a communication driver program residing in the system memory. A CPU 21 reads the mail reception **status** signal from the communication board in accordance with this program. When the CPU 21 detects that a valid mail has been received, the CPU 21 calls the BIOS in a BIOS-ROM. The CPU 21 sets the **mail icon ON** on a **status LCD** through a **status LCD control gate array** and returns control to the application **program** under **execution**.

DETDESC:

DETD(385)

when the communication board 32 detects a mail reception **status** signal from the **mail server** and an interrupt is sent from the I/O controller 22 to the CPU 21 during **execution** of the DOS or application **program**, the CPU 21 executes the communication driver program residing in the system memory 23, as shown in the flow chart.

DETDESC:

DETD(389)

The ON state of the mail icon (MI) R7 on the **status LCD** 44 makes the user know that an **electronic mail** has been received even if the portable computer in FIG. 54 is **executing** the DOS or application **program** and its **execution** states are displayed on an LCD panel 49 (without interrupting the DOS or application **program** under **execution** or performing a special operation such as **mail program** running).

US PAT NO: 5,557,736 :IMAGE AVAILABLE: L4: 2 of 3

ABSTRACT:

In an electronic mail associated type computer system network equipped with a computer system for executing a job and a general-purpose electronic mail system, a user of an electronic mail can freely recognize a condition of an execution result of a job performed in the computer system and a job execution result. Also, these results are available from a desired output device for the user. When a mail processing unit employed in the computer system analyzes a mail statement about the job execution derived from the electronic mail system, and the job execution is completed, this mail processing unit sends to the electronic mail system, such a mail statement for the completion of the job execution containing information about fail/safe execution result. Upon receipt of this report, the user designates the output device into a response mail so as to output the job execution result from the designated output device.

DETDESC:

DETD(5)

On the other hand, under the electronic mail system 2, an electronic mail engine 15 for realizing an **electronic mail** function, a program 16 for processing a job reception **report**, and a file transfer processing **program** 17 for transferring a **mail** statement and a job **execution** result list are operated. Further, reference numeral 20B shows a file connected to a main body of the **electronic mail** system, and reference numeral 20C indicates a file connected to the electronic mail terminal 5.

DETDESC:

DETD(28)

The **mail processing program 13** produces the job **execution state mail statement 30**. At this time, the value of the **report flag 30b** (see FIG. 4) is determined based on the value of the **report flag 29b** (see FIG. 2). Subsequently, the job execution state mail statement 30 is returned to the electronic mail system. . .

US PAT NO: 5,001,648 :IMAGE AVAILABLE:

L4: 3 of 3

ABSTRACT:

Mail handling or processing systems are disclosed wherein the entire lot or batch of mail pieces is loaded into a bin for processing. Each mail piece is individually removed by an operator while the computer monitors the weight of the bin and simultaneously produces serial numbers for affixing to each mail piece. In an alternative embodiment a postage meter provides postage imprinting and labelling for each mail piece removed. By monitoring the tare weight difference of the bin prior to and after removal of each mail piece, the mail piece weight is determined from the difference between the two tare weights. The weight of each mail piece is required in order to determine postage cost or mail charges for each mail piece.

After all pieces of mail are removed from the bin, an operator can optionally key the system to produce a postal service form complying with manifest mailing requirements. The computer also produces a manifest including serial numbers and mail charges related to each serial number marked mail piece and a manifest summary.

In an alternate embodiment, the bin is loaded one by one with each mail piece while a computer simultaneously monitors the weight of the bin as each mail piece is added, serial numbers are produced for affixing to each mail piece, and the computer links each serial number with a weight deviation thereby calculating mail charges for each mail piece and storing the information for reproduction in summary form in a mailing manifest.

DETDESC:

DETD(13)

If . . . processing. When an end processing request is received at step 162, program execution continues with step 164 where a transaction **report** is tallied. Thereafter the first class manifest is printed at printer 20 at step 166 and form 3602 (specified by the postal service) is also printed. After step 166, **program execution** continues at step 168 where a priority **mail** manifest is printed and form 3605 (Postal Service form) is printed at printer 20. After step 168, the **program execution** returns to step 104. If at step 162 an end key is not detected, program execution will continue with step. . .

DETDESC:

DETD(33)

Referring . . . message byte has been received over the postage meter interface 519 from the postage meter (or interface device). Until a **status** message is received indicating the meter 520 is ready to imprint another **mail piece**, **program execution** loops on itself at step 650. Once the **status** message has been received indicating that an imprint has occurred, program execution returns to the calling routine. (Program execution continues. . .

=> d his

(FILE 'USPAT' ENTERED AT 10:44:34 ON 23 JUL 1997)

L1 57165 S (EX [REDACTED] T? OR ACTIVAT?) (10A) (PROGRAM [REDACTED] PROCESS OR SHELL O
R S
L2 4 S L1(20A) (EMAIL OR E MAIL)
L3 93 S L1(20A) (EMAIL OR MAIL OR E MAIL OR ELECTRONIC MAIL)
L4 3 S L3(50A) (STATUS OR REPORT)